SECRET

Encl To
IDEA-1717
COPY 1 OF 2

John

20 March 1964

SUBJECT: HGU-8/P Helmets

TO: Wendell

The Face Piece for the MA-2 Helmet is in short supply and "I" personnel are not satisfied with the International Latex product. Therefore, we propose to procure and evaluate an alternate Helmet.

The HGU-8/P Helmet, developed by David Clark, can be adapted very easily to our MC-3A or your X-99 Partial Pressure Suit. We would like to procure three of these Helmets for test and evaluation
25X1A by [redacted], our Test Force Commander at Edwards.

The attached Scope of Work defines the Specific Requirements for this procurement. We desire a cost quote and delivery schedule from David Clark covering the attached Scope of Work prior to Fog fund commitment.

Wayne

Wayne

1 Atch
a/s

25X1A cc: [redacted]

FR:maw

IDEA-1717

SCOPE OF WORK

1. Scope:

The purpose of this procurement is to obtain three (3) high altitude flying helmets complete with neck seal bladder assembly.

2. General Requirements:

The helmets shall be generally configured as is the HGU-8/P helmet assembly complete with neck seal bladder.

3. Specific Requirements:

a. The helmets shall incorporate the mechanical visor seal device and feeding port presently incorporated in the NASA Gemini helmet.

b. An antisuffocation device shall be provided.

c. A conductive coated heated visor shall be provided.

d. The neck seal bladder assembly shall integrate with the MC-3A or X-99 partial pressure coverall.

e. The standard communication and face plate heat electrical leads shall be equipped with a Viking VR7/2AA15 male connector.

(1) There shall be a secondary (emergency) communication connector of type U-93A/U (male jack) integrated with the standard communications leads.

(2) There shall be a secondary (emergency) face plate heat connector of type Deutsch DM(o)624-3P integrated with the standard face plate heat leads.

f. The helmet shall be of the minimum possible weight but in no case shall it exceed 5.75 pounds.

g. The visor cam metal shall be polished and of adequate hardness to prevent scoring and faulty visor operation following repeated use.

h. The electrical connections to the heated visor shall be continuous wiring in type and not of the make and break contact type.

i. Except where specific requirements are in opposition the helmet assembly and all component parts shall conform to Specification MIL-H-27684(USAF).